Engineer CPU & Crypto Cores (f/m/div)*

Job description

You want to contribute to making our connected world safer today and tomorrow? You feel passionate about the results of your work and are committed to achieving the perfect result? Are you eager to expand your knowledge each day and take on new challenges? Then this is your chance to develop the next generation of secured microprocessor systems! As a Engineer CPU & Crypto Cores, you contribute in making our hyper-connected IoT world both safer and more secure.

In your new role you will:

- **Design** dedicated **security processor systems** and **crypto-accelerators**
- **Support the development of secure implementation concepts** for processors and crypto-accelerators
- Perform **functional simulations**, **timing** and **power characterization** of your designs
- **Analyze** and **improve your designs** to protect them against security attacks
- **Evaluate verification** and **validation results** and ensure high quality deliveries
- Support the product integration of the developed **security processor systems** and **crypto-accelerators**

Profile

You try to ensure that your ideas come to their full potential and implementation. Furthermore, you are able to cooperate across borders while valuing the contributions of others. Last but not least, you create a work environment for the highest quality standards.

You are best equipped for this task if you have:

- A degree in **electrical engineering, computer science, mathematics** or similar
- First **experience developing hardware IP**
- Solid knowledge in **digital design** with good understanding of technology aspects
- First insights in **using design and simulation tools** (Modelsim, Questa etc., DC, IC)
- Know-How in **cryptography and security concepts** for microprocessor systems
- Some knowledge in physical aspects of state-of-the-art **manufacturing technologies of integrated circuits**
- Excellent **English** communication skills, **German** language skills are a plus

Why Us

At a glance

Location:

Job ID:	**361361**
Start date:	**as soon as possible**
Entry level:	**0-1 year**
Type:	**Full time**
Contract:	**Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **361361**
www.infineon.com/jobs

Contact

Tobias Pfundtner
Talent Attraction Manager

Part of your life. Part of tomorrow.

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

– Connected Secure Systems (CSS) is at the heart of the IoT –

The **CSS** division provides end-to-end systems for a connected, secured world – building on trusted, game-changing microcontrollers as well as wireless and security solutions. CSS delivers microcontrollers plus Wi-Fi, Bluetooth® and combined connectivity solutions (known as connectivity combos) along with hardware-based security technologies to power the broadest application spectrum spanning consumer electronics, IoT devices, cloud security, IT equipment, home appliances, connected cars, credit and debit cards, electronic passports, ID cards, and more. The division is at the forefront of computing, wireless connectivity, and trusted technologies that are helping to securely connect the networked systems of today and tomorrow.

Click here for more information about working at CSS with interesting employee and management insights and an overview with more #CSSDreamJobs.

* The term gender in the sense of the General Equal Treatment Act (GETA) or other national legislation refers to the biological assignment to a gender group. At Infineon we are proud to embrace (gender) diversity, including female, male and diverse.